

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	13 October 2022
Team ID	PNT2022TMID36549
Project Name	Developing a Flight Delay Prediction Using Machine Learning
Maximum Marks	4 Marks

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration	Registration through Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Registered User -Login	Login through password(Form) Login through Gmail Login through LinkedIn
FR-4	Verify the link provided by the user	User inputs the link to be verified
FR-5	Display the result	If the site link is a prediction site,user must be aware and read the precautions displayed If the site link is legit,exit the application
FR-6	Share Queries	If any doubts,send query Read FAQs

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Engage the user about the process to ensure that the functionality can meet design and usability requirements
NFR-2	Security	It includes intrusion prevention and detection, authentication, authorization, and confidentiality of the user information
NFR-3	Reliability	It focuses on preventing failures during the lifetime of the product or system, from commissioning to decommissioning
NFR-4	Performance	It is the ability of the application to always run acceptably. In time-critical scenarios, even the smallest delay in processing data can be unacceptable.
NFR-5	Availability	Ensuring that the application can meet its availability targets to be resilient (fault tolerance)
NFR-6	Scalability	It is the ability for the application to scale to meet increasing demands; for example, at peak times or as the system becomes more widely adopted